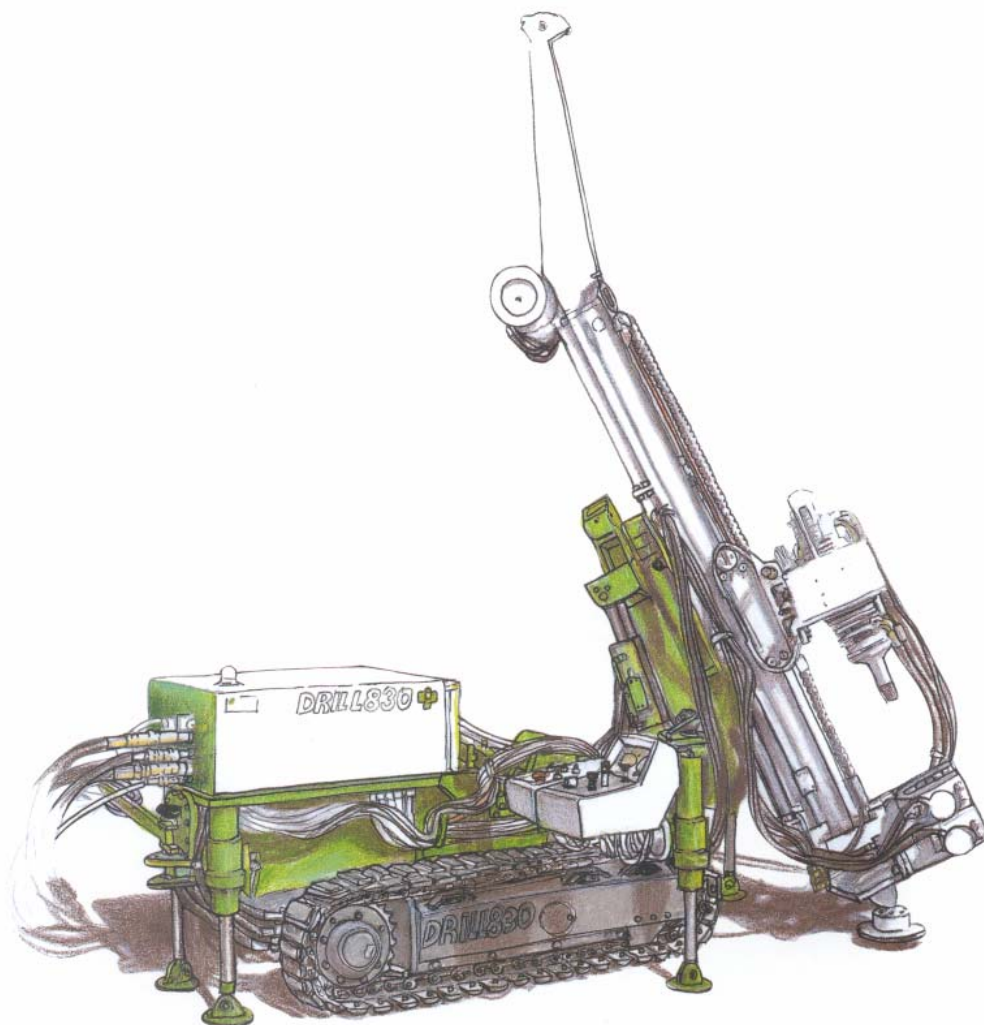




DRILL 830 B

Conformity



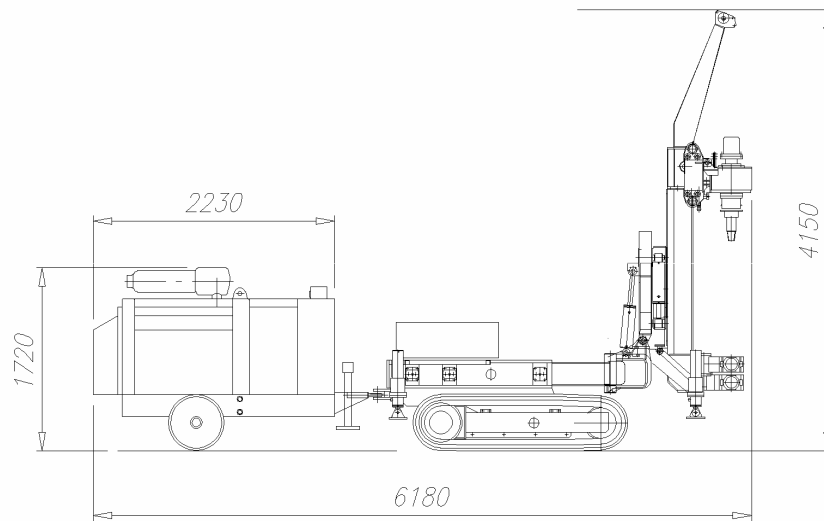
The DRILL 830 B unit is the powerful medium size rig suitable for multi-directional drilling operations. The machine has a separated power pack is designed for soil consolidation applications, micro-piling operations, anchors, core drilling and jet grouting.



IPC S.p.a. SPECIAL EQUIPMENT FOR CONSTRUCTION INDUSTRY
CENTRIFUGAL SELF-PRIMING PUMPS AND DEWATERING PLANTS
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Tel.+39 0547 345811 – Fax +39 0547 346278 – www.ipcsa.it - e-mail: info@ipcsa.it

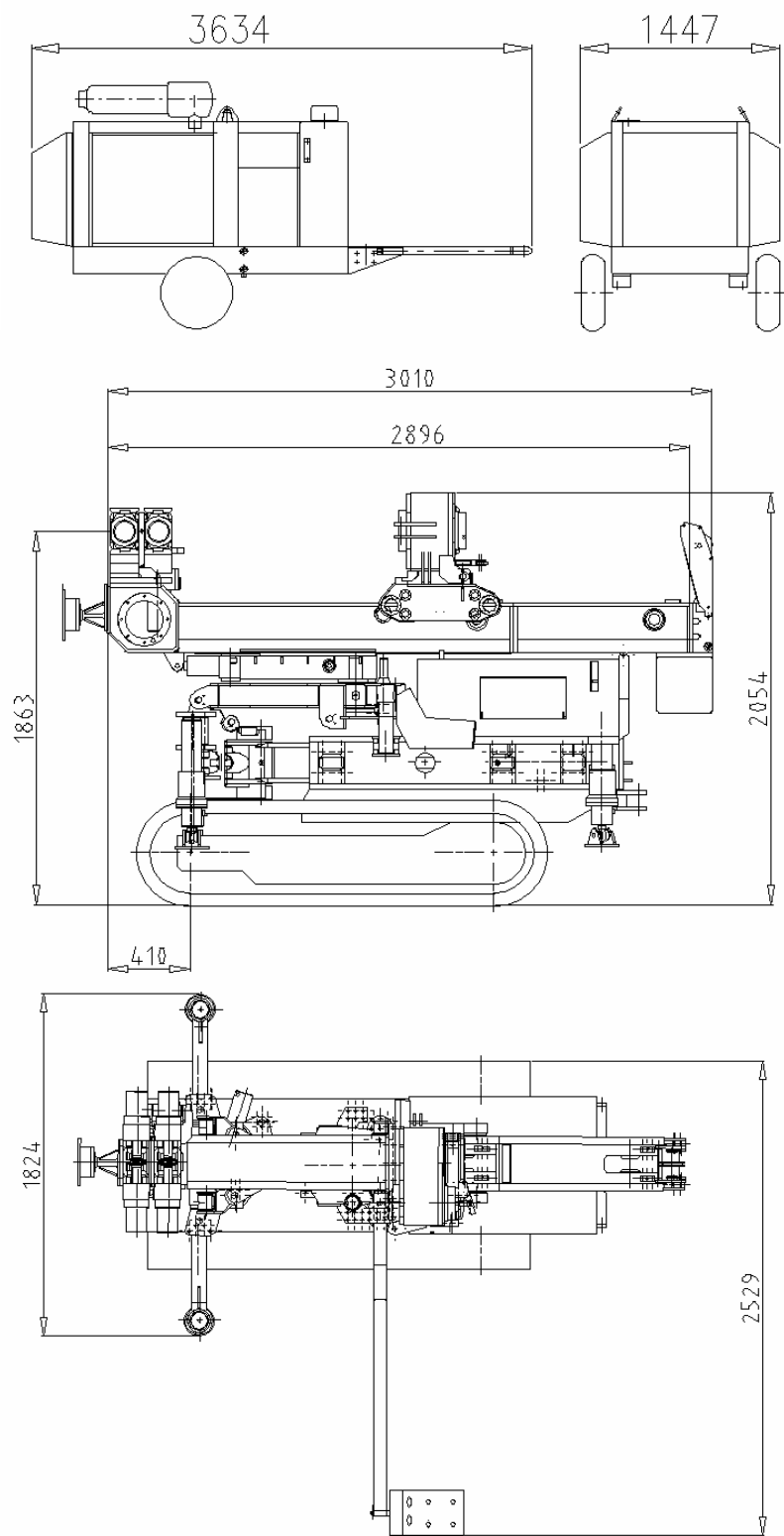
DRILL 830 B



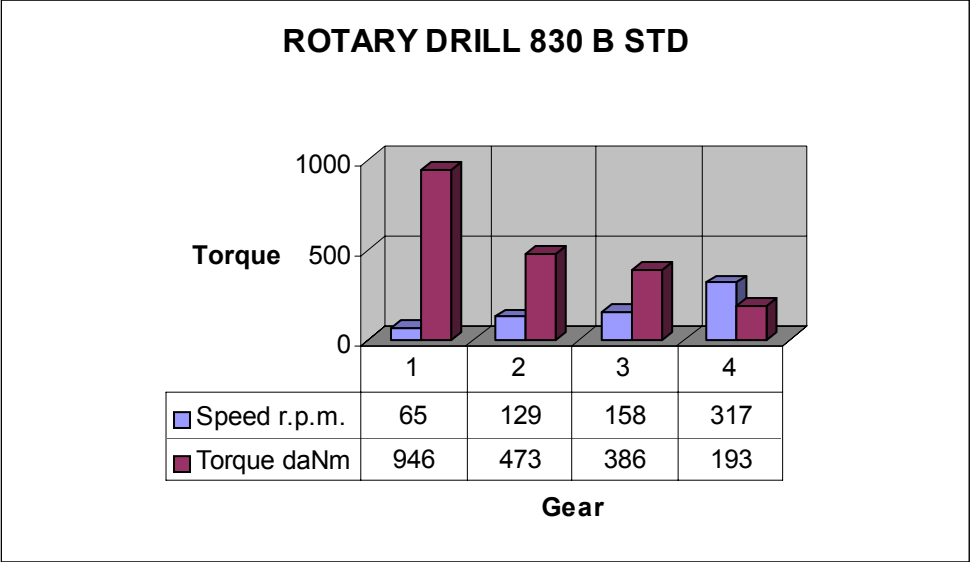
UNDERCARRIAGE	Min. width	750 mm
	Max. width	1110 mm
	Pitch	1505 mm
	Track shoes width	200 mm
	Max. speed	1,4 km/h
	Climbing capacity	60 %
	Ground bearing pressure	0,78 daN/cm²
POWER PACK ENGINE JOHN DEERE 4045TF275	Installed power @ 2200 r.p.m. (according to DIN 6271)	86 kW
STANDARD ROTARY	Max. torque	946 daNm (with 400cm³ motors)
	Max. speed	309 r.p.m.
	Inner passage	94 mm
	Gears	n° 4
CLAMP/BREAKER	Max. opening	230 mm
	Clamping force	15904 daN
	Breaking torque	3000 daNm
MAST	Max. pull	5000 daN
	Max. thrust	5000 daN
	Max. speed	22 m/1'
	Stroke (for 1 m rods)	1360 mm
WINCH	Max. pull (1st layer)	1250 daN
	Max. speed (4th layer)	45 m/1'
WEIGHT - DRILLING RIG	4700 kg	
WEIGHT – POWER PACK	1900 kg	



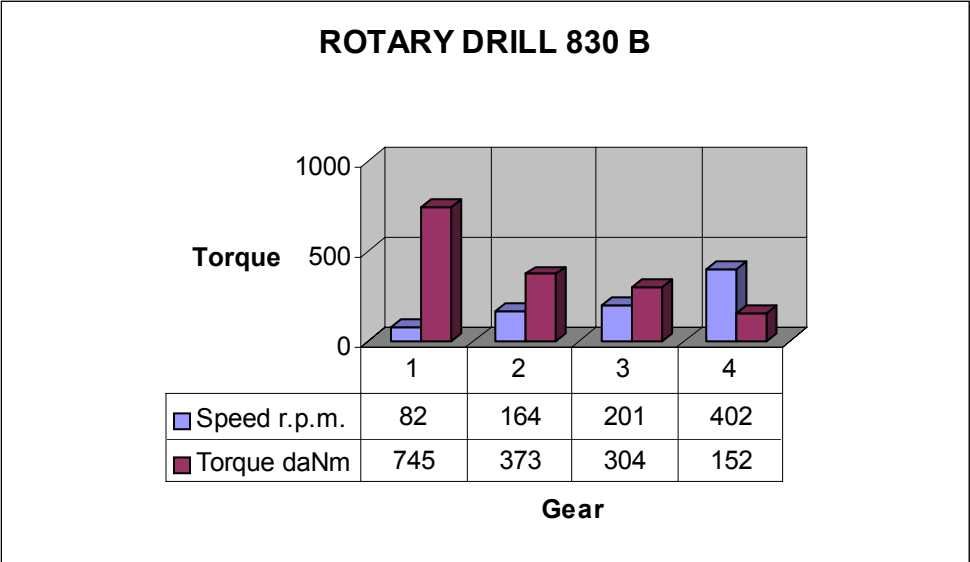
DRILL 830 B



PERFORMANCE DIAGRAMS

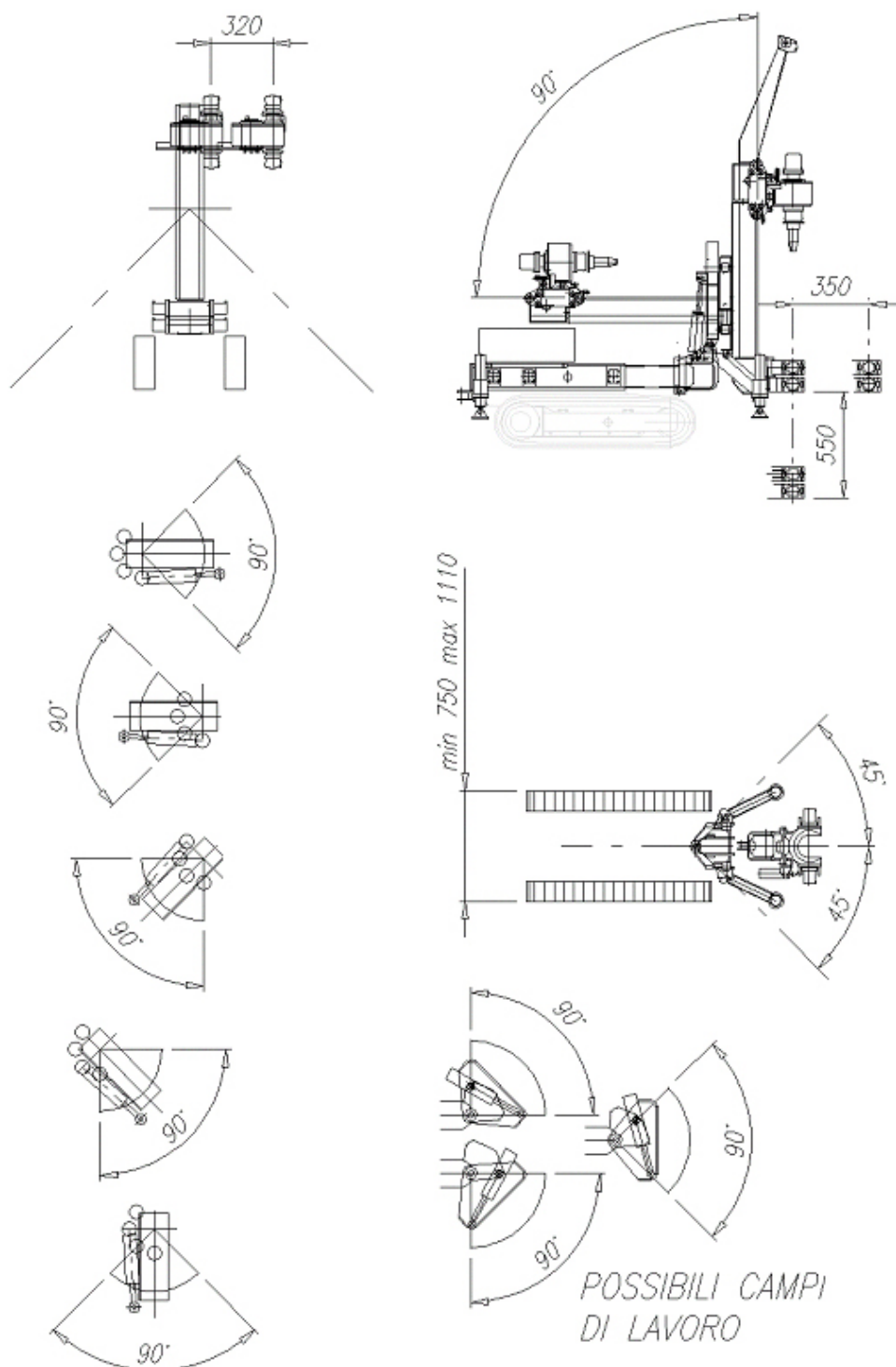


version with 400 cm³ motors

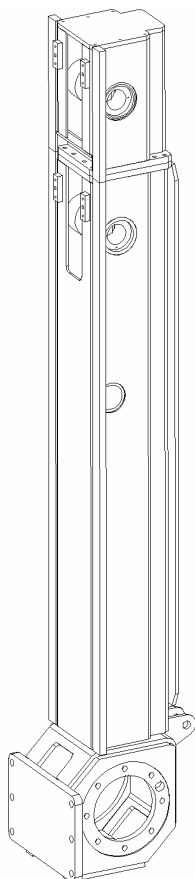


version with 315 cm³ motors

MOVEMENTS OF THE DRILL RIG

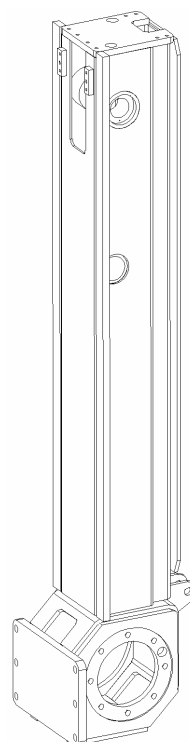


MAST



WITHOUT EXTENSION (for 0,75 m drill rods)

Mast assy L_{tot} 2020 mm



WITH EXTENSION

extension for 1 m rods

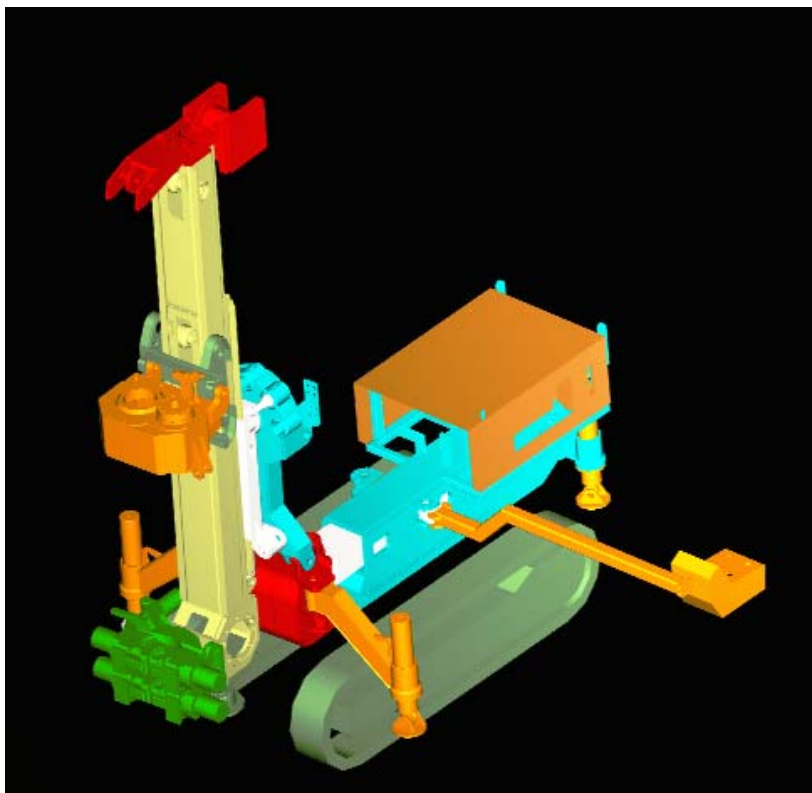
L_{tot} 2400 mm

extension for 1,5 m rods

L_{tot} 2900 mm

extension for 2 m rods

L_{tot} 3600 mm



The main pump has a variable delivery from 0 to 156 l/1' with a pressure up to 24 MPa.

ACCESSORIES

LUBRICATOR

Maximum oil capacity 5 l with air max. pressure 23 bar; manual regulation of the quantity of oil to be let in the air; 2" ports

Upon request, the device can be supplied controlled hydraulically with automatic selectors.

FOAM PUMP

Maximum delivery 42 l/1' with max. pressure 50 bar.

A valve regulating the delivery from 0 to MAX controls the pump hydraulically.

The control is activated from the panel.

PRE-ARRANGEMENT FOR JET GROUTING

The machine is pre-arranged for jet grouting slow continuous pull-up.

The system includes a pull-up speed governor.

The rotary can be equipped with chuck for clamping the drill rods.

Drill depth 13 m with rods ø 90 mm.

AIR SYSTEM

Pre-arrangement of the air system with ball cock and 1"½ hose connected to the swivel.

POWER PACK ON CRAWLER TRACKS

The power pack can be supplied with tracked undercarriage.

